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January 26, 2015 Armstrong Faculty Senate Agenda

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**Armstrong State University
Faculty Senate Meeting
Agenda of January 26, 2015
Student Union, Ballroom A, 3:00 p.m.**

- I. Call to Order
- II. Senate Action
 - A. Approval of Minutes from [November 17, 2014](#) Faculty Senate Meeting
 - B. Brief remarks from Dr. Linda Bleicken, President
 - C. Old Business
 - 1. Outcome of Bills/Resolutions
 - i. [FSB 2014-05-12-01](#) Institutional Accountability, Transparency and Communication
 - a. Joint Leadership Team summary December 2 (Appendix B)
 - b. Faculty Personnel Requests 11.24.14 (Appendix C)
 - c. Staff Personnel Requests 11.24.14 (Appendix D)
 - d. Staff Personnel Requests 12.16.14 (Appendix E)
 - e. Faculty Personnel Requests 1.12.15 (Appendix F)
 - f. Staff Personnel Requests 1.12.15 (Appendix G)
 - ii. [FSB-2014-11-17-02](#) Armstrong State University's Title IX Policy
 - iii. [FSR-2014-03-24-01](#) Deferred Action Status
 - iv. [FSB-2013-03-18-06](#) Annual Financial Report (Chris Corrigan)
 - 2. Other Old Business
 - i. Academic Renewal for Returning Students (Appendix H)
 - ii. Presentations to the Faculty Senate
 - a. Concern over Informational vs. Informative presentations given by non-Senators at Faculty Senate meetings
 - D. New Business
 - 1. Committee Reports
 - i. University Curriculum Committee
 - a. Meeting Minutes and Curriculum Changes (Appendix A)
 - ii. Governance Committee (Appendix I)
 - iii. Academic Standards
 - iv. Education Technology
 - v. Faculty Welfare
 - vi. Planning, Budget, and Facilities
 - a. FSB 2015-01-26-02 Teaching Priority (Appendix J)
 - b. FSB 2015-01-26-03 Shared Planning of Future Budget Cuts (Appendix K)
 - vii. Student Success
 - 2. Other New Business
 - E. Senate Information
 - 1. College of Education update on Dean search
 - 2. eCore forum January 29 and related SGA resolution
 - 3. Contact the Governance Committee at governance.senate@armstrong.edu.

4. Send Committee meeting dates/minutes to faculty.senate@armstrong.edu.

F. Announcements

III. Adjournment

Armstrong

UNIVERSITY CURRICULUM COMMITTEE

University Hall 282

Minutes, December 3, 2014

PRESENT: Myka Campbell, Suzanne Carpenter, Becky da Cruz, Mirari Elcoro, Katrina Embrey, Sara Gremillion (vice chair), Robert Harris, Jackie Kim, David Lake (chair), Kam Fui Lau, Anthony Parish, James Todesca, Phyllis Fulton (Catalog Editor)

ABSENT: Julie Swanstrom

GUESTS: Bill Baird, James Brawner, Donna Brooks, Maya Clark, Delana Gajdosik-Nivens, Brent Feske, Will Lynch, Doug Masini, Rock McCaskill, Sandy Streater, Anne Thompson, David Ward, Jane Wong

CALL TO ORDER. The meeting was called to order at 3:01 by Dr. David Lake.

APPROVAL OF MINUTES. The minutes of November 5, 2014 were approved as presented.

ITEMS

I. College of Education (no items)

II. College of Health Professions

A. Diagnostic and Therapeutic Sciences

Item 1 from the Department of Diagnostic and Therapeutic Sciences was discussed and approved by the committee. It is being submitted to the Faculty Senate for approval.

1. Modify the following program of study:

Program for the Degree of Bachelor of Science in Radiologic Sciences

- A. General Requirements (Core Areas A, B, C, D.IIB, and E) 42 hours
 (~~Nuclear Medicine students must complete a general chemistry course with lab~~)
 Core Area F 18 hours
 BIOL 2081 Human Anatomy and Physiology I
 BIOL 2082 Human Anatomy and Physiology II
 HLPR 2000 Research in Health Professions
 Guided Electives from the following list (4 credit hours)

RADS 2000 or RESP 2110

COMM 2280 (except for Sonography track), or a lower-level class (1000- or 2000-level) in MATH, CSCI, ITEC, BIOL, CHEM, PHYS, PHSC, ASTR, ~~or GEOL, or ISCI~~

(Nuclear Medicine students who have not completed a Chemistry sequence in Area D must complete one chemistry course with lab as the science elective)

One of the following:

PHSC 1211/1211L Physical Environment and Lab

PHYS 1111K Introductory Physics I

Rationale: Clarity.

Effective Term: Fall 2015

B. Health Sciences (no items)

C. Nursing (no items)

D. Rehabilitation Sciences

Items 1-3 from the Department of Rehabilitation Sciences were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Modify the following Program of Study:

Program for the Degree of Bachelor of Science in Communication Sciences and Disorders

A. General Requirements (Core Areas A, B, C, D.IIB, and E) 42 hours

Core Area F18 hours

CHEM 1151 Survey of Chemistry I

CHEM 1151L Survey of Chemistry I Laboratory

CSDS 1220 Introduction to Communication Disorders

HSCC 2500 Health Issues & Resources

~~PHSC 1211 Physical Science~~

~~PHSC 1211L Physical Science Lab~~

HLPR 2000 Introduction to Research in the Health Professions

HSCC 2200 Health Communication

PSYC 2950 Lifespan Developmental Psych

Physical Education3 hours

First-Year Seminar 1 hour

B. Major Field Courses33 hours

CSDS 2230 Anatomy and Physiology of Speech and Hearing Mechanisms

CSDS 2240 Normal Speech and Language Development

CSDS 2250 Phonetics
 CSDS 3400 Speech Science
 CSDS 3410 Introduction to Audiology
 CSDS 3420 Language Disorders
 CSDS 3430 Organically Based Communication Disorders
 CSDS 3450 Articulation Disorders
 CSDS 4050 Intercultural Communication
 CSDS 4190 Clinical Methods in Speech-Language Pathology
 CSDS 4151 Clinical Writing for the Health Professions

C. Related Field Courses 12-15 hours

~~PSYC 1101 General Psychology (if not taken in area E)~~

~~Note: PSYC 1101 should be completed during the first 36 hours~~

EDUC 3300 Educating Students w/Disabilities

RHAB 4000 Application of Research to the Rehabilitation Professions

PSYC 3400 Introduction to Learning

PSYC 5060U Basic Behavior Principles and Behavior Change

GERO 5500U Survey of Gerontology

D. Electives 12-15 hours

At least ~~six~~ ~~nine~~ hours of electives must be courses numbered 3000 or above. **PSYC 1101 Introduction to Psychology should be taken if not taken in Area E.**

~~If the following sequence is taken in American Sign Language: CSDS 1001, 1002, 2001, all of the additional electives must be at 3000 level or higher.~~

Total Semester Hours

124 hours

~~**E. Admission to the program, Preservice Portfolio, Current Certification in CPR/First Aid, Criminal Background Check.**~~

Rationale: Program accreditation standards effective September 1, 2014 recommend a course in chemistry or physics to meet the physical science requirement.

PSYC 1101 is not a related field course. In addition, the program of study as well as the 15 to Finish Roadmap for the program specifies PSYC 1101 in the first year of study.

PSYC 3400 has been added as a prerequisite for PSYC 5060U/G which is listed in the current program of study.

Elective hours were adjusted in response to the addition of PSYC 3400 in the related field area.

Students are no longer required to gain admissions to the program or submit the Preservice Portfolio, Current Certification in CPR/First Aid, or Criminal Background Checks.

Effective Term: Fall 2015

2. Modify the following Program of Study:

Program for the Associate of Science -Communication Sciences and Disorders Track

A. General Requirements (Core Areas A, B, C, D.IIB, E).....

42 hours

| | |
|---|-----------------|
| Physical Education..... | 3 hours |
| First-Year Seminar | 1 hour |
| B. Additional Requirements | 18 hours |
| CHEM 1151 Survey of Chemistry I | |
| CHEM 1151L Survey of Chemistry I Laboratory | |
| CSDS 1220 Introduction to Communication Disorders | |
| HLPR 2000 Introduction to Research in the Health Professions | |
| HSCC 2200 Health Communication | |
| HSCC 2500 Health Issues and Resources | |
| PHSC 1211/PHSC 1211L Physical Science with lab | |
| PSYC 1101 Introduction to Psychology or PSYC 2950 Lifespan Developmental Psychology | |
| <hr/> | |
| Total Semester Hours | 64 |
| C. Exit Exam | |

Rationale: Program accreditation standards effective September 1, 2014 recommend a course in chemistry or physics to meet the physical science requirement.

Effective Term: Fall 2015

3. Create the following program of study:

Post-Baccalaureate Certificate in Communication Sciences and Disorders

The post-baccalaureate program is designed for individuals who have earned a Bachelor's degree in disciplines other than Communication Sciences and Disorders and now wish to complete the prerequisite courses (i.e., "leveling courses") that are often required for admission into a graduate program in either audiology or speech-language pathology.

The certificate is available to students who hold a baccalaureate degree from an accredited institution and have earned a cumulative GPA of 3.0. Interested students should submit an application to the program. Course rotation begins each fall.

Post-Baccalaureate Certificate in Communication Sciences and Disorders.....24 hours

CSDS 1220 Introduction to Communication Sciences
 CSDS 2230 Anatomy and Physiology of Speech and Hearing Mechanisms
 CSDS 2240 Normal Speech and Language Development
 CSDS 2250 Phonetics
 CSDS 3400 Speech Science
 CSDS 3410 Introduction to Audiology
 CSDS 3420 Language Disorders
 CSDS 4151 Writing for the Health Professions

Students completing the certificate in Communication Sciences and Disorders are required to obtain twenty-five clinical observation hours verified with a signature by a certified audiologist or speech-language pathologist as required by the American Speech-Language-Hearing Association. Students are also required to obtain 10 hours of volunteer activities that are unpaid and serve the University or the Community for the certificate to be awarded.

While completion of the Post-baccalaureate program does not guarantee admission into the Communication Sciences and Disorders Graduate Program at Armstrong, it does qualify students to submit an application for admission into the graduate program at Armstrong and for many other graduate programs in the United States.

For more information about the certificate or for a career in Communication Sciences and Disorders, please contact the program.

Rationale: Communication Sciences and Disorders programs prepares students for careers in the high demand fields of audiology and speech-language pathology. The professions attract working professionals from various backgrounds who are seeking a career change. A graduate degree (Master's in speech-language pathology or Au.D. in audiology) is required in order to become a certified practitioner in the field of communication sciences and disorders. Many graduate programs in speech-language pathology and audiology require applicants to have either an undergraduate degree in the field or a core of prerequisite coursework in the field. Our post-baccalaureate studies program has been developed to help students who wish to pursue a career in speech-language pathology or audiology, but who have an undergraduate degree in an area other than communication sciences and disorders. The Communication Sciences and Disorders program has received significant interest in post-baccalaureate courses which continues to increase.

Effective Term: Fall 2015

III. College of Liberal Arts

A. Art, Music, and Theatre (no items)

B. Criminal Justice, Social and Political Science

Item 1 from the Department of Criminal Justice, Social and Political Science was discussed and approved by the committee. It is being submitted to the Faculty Senate for approval.

1. Modify the following program of study:

**PROGRAM FOR THE DEGREE OF ASSOCIATE OF APPLIED SCIENCE IN
CRIMINAL JUSTICE**

A. General Requirements: Core Areas28 hours

ENGL 1101 Composition I

ENGL 1102 Composition II

MATH 1001 Quantitative Skills and Reasoning or MATH 1111 College Algebra

HIST/POLS 1100 Political History of America and Georgia

PSYC 1101 Introduction to Psychology

SOCI 1101 Introductory Sociology

One course from the following:

HIST 1111, HIST 1112, HIST 2111, HIST 2112, POLS 2100, ANTH 1102,
ECON 2105

One course from the following:

ENGL 2100, ARTS 1100, ARTS 2710, ARTS 2720, THEA 1100, MUSC
1100, PHIL2010, PHIL 2030

One course from the following:

BIOL 1107/1107L, CHEM 1211 (and lab), PHYS 1111K, PHSC 1211/1211L

Rationale: Adding Math 1001 allows the Associate degree to be consistent with the Bachelor degree.

Effective Term: Fall 2015

C. Economics

Item 1 from the Department of Economics was discussed and approved by the committee. It is being submitted to the Faculty Senate for approval.

1. Modify the major field courses for the BS in Business Economics**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN
BUSINESS ECONOMICS****B. Major Field Courses30 hours**

ECON 3230 Finance

ECON 3700 Econometrics or ECON/**MKTG** 3800 Quantitative Marketing
Research

MGMT 3220 Management

MGMT 4111 Entrepreneurship or ECON 4900 Economic Methods and Senior
Thesis

MKTG 3210 Marketing

Six credits selected from:

ECON 3050 Intermediate Macroeconomics and ECON 3060 Intermediate
MicroeconomicsECON 3050 Intermediate Macroeconomics and ECON 3500 Managerial
Economics

ECON 3060 Intermediate Microeconomics and ECON 3300 Money and Banking

~~Nine hours~~ Six credits selected from:

ECON 3100 Multinational Economic Enterprises

ECON 3200 International Trade

ECON 3300 Money and Banking

ECON 3400 Economics of Labor

ECON 3450 Environmental Economics

ECON 3460 Economics of Immigration

ECON 3470 Economics of Health

ECON 3500 Managerial Economics

ECON/MKTG 3800 Quantitative Marketing Research

ECON 4100 Financial Economics: Portfolio Analysis

ECON 4150 Money and Capital Markets

ECON 4310 International Finance

ECON 4410 Regional Economics

~~ECON 4450 Comparative Economics~~

ECON 4451 Industrial Organization

ECON 4460 Economic Analysis of the Law

ECON 4500 Public Finance

~~ECON 4520 Internship~~

Three credits of upper division economics, 3000 and above, except for ECON 5150U.

Rationale: ECON 3100 and 4460 are sufficiently business oriented to be included in the major field courses. ECON 4450 and 4520 were removed because they are taught as experiential learning courses. The new structure with six credits from a list and three credits from any upper division economics course allows the student to take no more than three credits of the major as experiential learning or as a less business-oriented economics course. Title and crosslist corrections.

Effective Term: Fall 2015

- D. Gender Studies (no items)
- E. History (no items)
- F. Languages, Literature, & Philosophy (no items)
- G. Liberal Studies (no items)
- H. Honors Program (no items)

IV. College of Science and Technology

A. Biology

Items 1-6 from the Department of Biology were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Create the following course:**BIOL 4240 BEHAVIORAL ECOLOGY****3-0-3**

Prerequisite: BIOL 3030 (minimum grade of C) or BIOL 3050 (minimum grade of C)
Examines the survival value of behavior; how behavior is shaped by the environment; and the evolution of behavior.

Rationale: Biology majors will benefit from a comprehensive examination of animal behavior, a subject of biology that is not well addressed by the current curriculum. The subject has been previously offered on two occasions as a section of BIOL 4970, SPECIAL TOPICS.

Effective Term: Fall 2015

CURCAT:

Major Department: Biology

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Course Equivalent: None

2. Modify the following course:

**BIOL 3770 ~~DEVELOPMENTAL AND COMPARATIVE~~ Vertebrate
ANATOMY ~~OF THE VERTEBRATES~~**

~~3-6-4~~3-3-4

Prerequisite: BIOL 1108 (minimum grade of C) or BIOL 1108H (minimum grade of C)

~~Development, anatomy, and evolution of vertebrate organ systems.~~ Form, function, and evolution of major vertebrate systems. Laboratories examine the anatomy of different vertebrate taxa.

Rationale: To better align the focus of the course with that of other institutions and address the needs of pre-veterinary biology students.

Effective Term: Fall 2015

3. Modify the following course:**BIOL 2010 MICROBIOLOGY****3-3-4**

Prerequisite: BIOL ~~4407-1108~~ (minimum grade of C) or BIOL 1108H (minimum grade of C), and both CHEM 1211 (minimum grade of C) and CHEM 1211L (minimum grade of C). ~~and BIOL 1107L (minimum grade of C) or BIOL 1107H (minimum grade of C) and BIOL 1107A (minimum grade of C).~~

Rationale: Students will benefit from exposure to concepts in evolution addressed in BIOL 1108 and will benefit from practice with microscopic techniques in BIOL 1108L. Students will benefit from having learned basic chemistry principles that they can apply to understanding microbial metabolism.

Effective Term: Fall 2015

4. Modify the following course:

BIOL 3050 GENERAL ECOLOGY

3-4-43-0-3

Prerequisites: BIOL 1108 (minimum grade of C) or BIOL 1108H (minimum grade of C) and BIOL 2010 (minimum grade of C)

Introduction to behavioral, individual, population, community, and ecosystem ecology. ~~Field and laboratory activities cover ecological principles and emphasize sampling procedures and data analysis.~~

Rationale: Currently, the laboratory section is required for all students who take General Ecology. With recent ecologist hires in Biology, more upper-level ecology courses will be offered and for these, BIOL 3050 will be a pre-requisite. The number of seats in the laboratory section are currently limiting enrollment and this course suffers from bottlenecks. With the proposed change, BIOL 3050 will still be a required major field course for two tracks, but the lab will count as a biology elective.

Effective Term: Fall 2015

CURCAT:

Major Department: Biology

Can course be repeated for additional credit? No

Maximum number of credit hours: 34

Instruction type: Lecture and Laboratory

Course Equivalent: None

5. Modify in Banner/add to catalog the following course:

BIOL 3050L GENERAL ECOLOGY Laboratory

0-4-00-4-1

Prerequisites: BIOL 1108 (minimum grade of C) or BIOL 1108H (minimum grade of C) and BIOL 2010 (minimum grade of C)

Prerequisite or Corequisite: BIOL 3050

Field and laboratory activities cover ecological principles and emphasize sampling procedures and data analysis.

Rationale: Currently, the laboratory section is required for all students who take General Ecology. With recent ecologist hires in Biology, more upper-level ecology courses will be offered and for these, BIOL 3050 will be a pre-requisite. The number of seats in the laboratory section are currently limiting enrollment and this course suffers from bottlenecks. With the proposed change, BIOL 3050 will still be a required major field course for two tracks, but the lab will count as a biology elective.

Effective Term: Fall 2015

CURCAT:

Major Department: Biology

Can course be repeated for additional credit? No

Maximum number of credit hours: 0 1

Instruction type: Laboratory

Course Equivalent: None

6. Modify the following course:

BIOL 2400 Introduction to Cell and Molecular Biology

3-0-3

Prerequisite: **Both** BIOL 1107 (minimum grade of C) and BIOL 1107L (minimum grade of C) or **both** BIOL 1107H (minimum grade of C) and BIOL 1107A (minimum grade of C), **and both** CHEM 1211 (minimum grade of C) and CHEM 1211L (minimum grade of C).

Rationale: Students will benefit from having learned basic chemistry principles that they can apply to understanding metabolic pathways, energy transformations, and molecular concepts.

Effective Term: Fall 2015

Item 7, modification of the program of study for the B.S. in Biology, was remanded so errors/omissions could be corrected.

B. Chemistry and Physics

Items 1-7 from the Department of Chemistry and Physics were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Modify the following course:

PHYS 3120 DIGITAL ELECTRONICS AND MICROCONTROLLERS

1-5-32-2-3

Prerequisite: PHYS 2212K (minimum grade of C) or both MATH 1161 and PHYS 1112K (minimum grade of C)

~~Introduction to discrete components and integrated circuits. Hands-on lab experience in constructing and investigating an array of digital circuits that are directly applicable in instrumentation.~~ Digital circuits, analysis of logic signals, microcontroller programming and interfacing with applications to physical systems.

Rationale: Given the rapid evolution of digital technology, the Digital Electronics course must be updated to reflect the current state of the art. The extreme increase in capabilities and decrease in cost that has transformed the personal computer industry has had the same effect on the microcontroller industry. As a result, many problems that would previously have required a handful of integrated circuits can now be addressed with a single microcontroller and several lines of code. The lab and lecture

hours are being adjusted to reduce the number of lab contact hours and increase the number of lecture contact hours.

Effective term: Fall 2015

Courses for the proposed Robotics and Mechatronics Track:

2. Create the following course:

PHYS 3170 SENSOR DEVELOPMENT AND DATA ANALYSIS 2-2-3

Prerequisite: PHYS 2212K (minimum grade of C) or both MATH 1161 and PHYS 1112K (minimum grade of C)

Design and construction of a variety of sensors for physical quantities. Implementation, data collection, and analysis of sensor output.

Rationale: The ubiquity of computers and embedded systems in modern life illustrates the importance of the interaction between the physical and virtual worlds. This course will discuss the principles behind that interaction and focus on ways to develop sensors for a variety of stimuli, as well as the analysis and interpretation of the data collected.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture-Lab

Equivalent Course: None

3. Create the following course:

PHYS 4200 ANALYSIS AND SYNTHESIS OF MECHATRONIC SYSTEMS 2-2-3

Prerequisite: PHYS 3170 (minimum grade of C) and either ENGR 1371 or CSCI 1301 (minimum grade of C)

Students will design and construct complete systems involving sensors, algorithms, and physical action on the environment. Hands-on lab experience through applications in experimental physics. Includes a variety of oral and written assignments. Physics faculty involved in assessments.

Rationale: The capstone course for students in the Mechatronics track. This will represent the synthesis of previous coursework; sensors, microcontrollers, and actuators will be combined into a unified device built to accomplish a particular task.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture-Lab
Equivalent Course: None

4. Create the following course:**PHYS 3370 HUMAN COMPUTER INTERACTION****3-0-3**

Prerequisite: CSCI 1301 or ITEC 1310 or ENGR 1371

Paradigms in user interface design and related human factors. Topics include: user-system compatibility analysis, techniques for user interface design, methods for interface analysis, multimodal interaction and interaction analysis.

Rationale: A key component in the construction of systems that collect data, analyze it, and act on the results is the way the system interfaces with its human programmer or operator. This course will involve haptic devices and their use to provide another channel for the bidirectional flow of information between human and computer.

Effective Term: Fall 2015**CURCAT:**

Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture
Equivalent Course: CSCI 3370

5. Create the following course:**PHYS 2030 INTRODUCTION TO COMPUTER ENGINEERING****3-0-3**

Prerequisite: CSCI 1060 or CSCI 1301 or ENGR 1371 or CSCI 1371

Computer systems and digital design principles. Architectural concepts, software, Boolean algebra, number systems, combinational datapath elements, sequential logic, storage elements. Design of DRAM control and I/O bus.

Rationale: The design and development of computer hardware allows the students to move beyond prepackaged general purpose control devices and begin to create their own specialized circuitry.

Effective Term: Fall 2015**CURCAT:**

Major Department: Chemistry and Physics
Can course be repeated for additional credit: No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Equivalent Course: ENGR 2030

6. Create the following course:

PHYS 2031 DIGITAL DESIGN LABORATORY

1-3-2

Prerequisite: ENGR 2030 or PHYS 2030 (minimum grade of C)

Design and implementation of digital systems, including a team design project. CAD tools, project design methodologies, logic synthesis, and assembly language programming.

Rationale: The design of special-purpose circuitry using FPGA (Field Programmable Gate Array) devices is an invaluable aid in finding solutions to problems involving sensor management and control. This lab will show students how to use the FPGA to combine the flexibility of software with the high performance of special-purpose integrated circuits.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: No

Maximum Number of Credit Hours: 2

Grading Mode: Normal

Instruction Type: Lecture-Lab

Equivalent Course: None

7. Create the following course:

PHYS 2035 PROGRAMMING FOR HARDWARE/ SOFTWARE SYSTEMS

3-3-4

Prerequisite: ENGR 2030 or PHYS 2030 (minimum grade of C)

Programming techniques for hardware and software systems including creation of complex execution and storage mechanisms based on instruction set architecture and software design including programming languages and operating systems. Students will apply and develop these concepts through programming design projects.

Rationale: Most programming courses focus on programs to be executed by personal computers; the microcontroller and embedded-device environments are quite different in terms of chip capabilities, capacities, and support circuitry. This course will move beyond standard PC programming and investigate these other areas.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: No

Maximum Number of Credit Hours: 4

Grading Mode: Normal

Instruction Type: Lecture-Lab

Equivalent Course: ENGR 2035

Items 8-12, courses for the proposed Health Physics Track, were withdrawn by the department.

Items 13-14 from the Department of Health Sciences were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

13. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN APPLIED PHYSICS

Track 1: Applied Physics

A. General Requirements

Core Areas A, B, C, D.IIA, and E42 hours

Applied physics majors are required to take MATH 1113 in core area A and MATH 1161 in core area D

Area F18 hours

PHYS 2211K, 2212K Principles of Physics I, II (unless taken to satisfy core area D, in which case replace with 8 hours of lower division electives)

MATH 2072 Calculus II

MATH 2083 Calculus III

One hour excess for MATH 1161 from Core Area D

1 hour excess from PHYS 1000 or from any science or math course

Physical Education3 hours

First-Year Seminar 1 hour

B. Major Field Courses30 hours

Choose one of the following courses:

PHYS 3100 Electrical Circuit Analysis or ENGR 3100 Circuit Analysis

PHYS 3120 Digital Electronics

PHYS 3300 Thermodynamics or PHYS 3400 Chemical Thermodynamics

PHYS 3801K Modern Physics

PHYS 3802 Introduction to Quantum Mechanics

PHYS 4120 Scientific Measurement with Digital Interfacing

PHYS 4170 Advanced Mechanics

Choose twelve semester hours from:

PHYS 2900 Introduction to Research in Physics

PHYS 3100 Electrical Circuit Analysis or ENGR 3100 Circuit Analysis (if not previously counted above)

PHYS 3120 Digital Electronics (if not previously counted above)

PHYS 3142 Computational Physics
 PHYS 3200 Mathematical Methods for Physicists
 PHYS 3220 Mechanics of Deformable Bodies
 PHYS 3230 Fluid Mechanics
 PHYS 3312 Electromagnetism
 PHYS 3500 Diffraction and Crystallography
 PHYS 3700K Optics
 PHYS 4800 Pedagogy and Supplemental Instruction in Physics (maximum of 3 hours can be used in this section)
 PHYS 4900 Independent Study in Physics
 PHYS 4950 Special Topics in Physics
 PHYS 4960 Physics Internship
 PHYS 4991 Advanced Research in Physics

C. Related Field Courses23 hours

CHEM 1211 Principles of Chemistry I (and lab)
 CHEM 1212 Principles of Chemistry II (and lab)
 CSCI 1301 Introduction to Programming Principles or ENGR 1371 Computing for Engineers
 MATH 2160 Linear Algebra
 MATH 3411 Differential Equations
 A three semester-hour upper-division math course (3000 or 4000 level, excluding MATH 3411, 3900, 3911, 3912, 3932, 4000, 4750, 4900, 4910, 4961, 4962, 4963, 5412U, 5600U, 5700U, 5900U, 5911U)
 Three semester hours of related field electives approved by the physics faculty

D. Electives7 hours

Upper-division courses (6 semester hours)
 Free elective (1 semester hour)

Total Semester Hours 124 hours

E. Exit Exam

Rationale: See Item 14, below.

Effective Term: Fall 2015

14. Create the following track for the B.S. in Applied Physics:

Track II: Robotics and Mechatronics

A. General Requirements

Core Areas A, B, C, D.IIA, and E42 hours

Applied physics majors are required to take MATH 1113 in core area A and MATH 1161 in core area D

Area F18 hours

PHYS 2211K, 2212K Principles of Physics I, II (unless taken to satisfy core area D, in which case replace with 8 hours of lower division electives)

MATH 2072 Calculus II
 MATH 2160
 CSCI 1301 or ENGR 1371

| | |
|---|-----------------|
| Physical Education | 3 hours |
| First-Year Seminar | 1 hour |
| B. Major Field Courses | 30 hours |
| PHYS 2030 Introduction to Computer Engineering | |
| PHYS 2031 Digital Design Laboratory | |
| PHYS 2035 Programming for Hardware/Software Systems | |
| PHYS 3100 Electrical Circuit Analysis | |
| PHYS 3120 Digital Electronics and Microcontrollers | |
| PHYS 3142 Computational Physics | |
| PHYS 3170 Sensor Development and Data Analysis | |
| PHYS 3801K Modern Physics | |
| PHYS 4200 Analysis and Synthesis of Mechatronic Systems | |
| PHYS 3370 Human Computer Interaction | |
| C. Related Field Courses | 23 hours |
| CHEM 1211 Principles of Chemistry I (and lab) | |
| CHEM 1212 Principles of Chemistry II (and lab) | |
| MATH 3411 Differential Equations | |
| Twelve semester hours (nine hours of which must be upper division level) of related field electives approved by the physics faculty. | |
| D. Electives | 7 hours |
| Upper-division courses (6 semester hours) | |
| Free elective (1 semester hour) | |

| | |
|-----------------------------|------------------|
| Total Semester Hours | 124 hours |
|-----------------------------|------------------|

E. Exit Exam

Rationale: As a result of program review, the physics program has concluded that the program should seek to become more attractive than just being able to offer the traditional applied physics major. We see this as an opportunity to offer specialized tracks in Robotics and Mechatronics.

The Robotics and Mechatronics track would prepare the graduate the skills from not only the world of physics but from engineering and computer science to be capable of understanding the processes of measurement and control that are being utilized in industry and manufacture. This would require the creation of six new physics courses. However, three of these courses are being created to cross-list pre-existing one CSCI and two ENGR courses as equivalent to physics courses in the physics major field. This is being done by consultation and agreement with CSCI and ENGR programs.

Effective Term: Fall 2015

Item 15, the proposed Health Physics Track, was withdrawn by the department.

C. Computer Science and Information Technology

Item 1 from the Department of Computer Science and Information Technology was discussed and approved by the committee. It is being submitted to the Faculty Senate for approval.

1. Create the following track:

PROGRAM FOR THE DEGREE OF ASSOCIATE OF SCIENCE.

Cyber Security Track

- | | |
|--|-----------------|
| A. General Requirements (Core Areas A, B, C, D.I, and E) | 42 hours |
| Physical Education | 3 hours |
| First-Year Seminar | 1 hour |
| B. Additional Requirements | 18 hours |
| MATH 1111- College Algebra (if not taken in Core Area A) | |
| ITEC 1310 – Programming for IT | |
| CSCI 2070 - Ethical Considerations in Computer Science | |
| ITEC 3700 – Cyber Security I | |
| ITEC 4200 – Cyber Security II, Network Security | |
| ITEC 4300 – Cyber Security III, Ethical Hacking | |
| If MATH 1111 was taken in Core A, then select one of the following: | |
| MATH 1113 – Pre-Calculus Mathematics | |
| CSCI 1150 – Fundamentals of the Internet and the World Wide Web (if not taken in Area D) | |

Total Semester Hours

64

Rationale: By offering an Associate of Science with a Cyber Security track, the Cyber Security curriculum will become “stackable.” The courses for the Undergraduate Certificate in Cyber Security stack within this track, allowing a certificate-seeking student to apply them to an Associate’s degree. Should that student decide to earn a Bachelor’s in Information Technology at Armstrong, or an equivalent Bachelor’s degree at another institution (especially another USG institution), the Associate degree will allow that student to seamlessly transition into the major program.

Effective Term: Fall 2015

D. Engineering Studies

Items 1-2 from the Engineering Studies Program were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. **Cross-list the following course as PHYS 2030:**
ENGR 2030 INTRODUCTION TO COMPUTER ENGINEERING **3-0-3**

Rationale. This course is required for electrical and computer engineers in the engineering transfer program, it is also a course that may be taken towards obtaining an Associates of Science with a concentration in engineering. The physics program is currently proposing a mechatronics track within the BS Physics program. ENGR2030 would be a requisite course in this track, cross listed as PHYS 2030.

Effective Term: Fall 2015

CURCAT:

Course Equivalent: PHYS 2030

2. **Cross-list the following course as PHYS 2031:**
ENGR 2031 DIGITAL DESIGN LABORATORY **1-3-2**

Rationale. This course is required for electrical and computer engineers in the engineering transfer program, it is also a course that may be taken towards obtaining an Associates of Science with a concentration in engineering. The physics program is currently proposing a mechatronics track within the BS Physics program. ENGR2031 would be a requisite course in this track, cross listed as PHYS 2031.

Effective Term: Fall 2015

CURCAT:

Course Equivalent: PHYS 2031

E. Mathematics

Items 1-4 from the Department of Mathematics were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. **Create the following course:**
MATH 0987 Foundations for Quantitative Reasoning (MATH 1001) **3-0-3**

Prerequisite: Placement according to Math Placement Index (MPI) < 1075

Description: Study of set relationships, Venn diagrams, real number arithmetic, algebraic expressions, equations, functions, slopes, rates of change, coordinate graphing, and introductory statistics topics. This course is designed to review common arithmetic topics as well as introduce students to foundational algebra and statistics topics covered in MATH 1001.

Rationale: This is course is being created for all University System of Georgia institutions offering remediation for MATH 1001. It is intended as a full semester

remedial course to be followed by MATH 1001, together with corequisite course MATH 0997.

Effective Term: Fall 2015

CURCAT:

Major Department: Mathematics

Can course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: S/U

Instruction Type: Lecture

Course Equivalent: None

2. Create the following course:

MATH 0997 Support for Quantitative Reasoning (MATH 1001) 2-0-2

Prerequisite: Placement according to Math Placement Index ($1075 \leq \text{MPI} < 1165$) or successful completion of MATH 0987.

Description: Provides just-in-time support for students concurrently enrolled in MATH 1001. Additional review and practice will be provided for relevant MATH 1001 course topics: logic and reasoning, sets and Venn diagrams, units of measure, percentages, formulas, fundamentals of statistics and statistical graphics, probability, functions, and modeling.

Rationale: This course is being created for all University System of Georgia institutions offering remediation for MATH 1001. It will be taught concurrently with MATH 1001.

Effective Term: Fall 2015

CURCAT:

Major Department: Mathematics

Can course be repeated for additional credit? No

Maximum Number of Credit Hours: 2

Grading Mode: S/U

Instruction Type: Lecture

Course Equivalent: None

3. Create the following course:

MATH 0989 Foundations for College Algebra (MATH 1111) 3-0-3

Prerequisite: Placement according to Math Placement Index ($\text{MPI} < 1100$)

Description: A study of the essential mathematical concepts required for success in College Algebra (MATH 1111). Topics include properties of real numbers, linear equations and inequalities, quadratic equations, graphs, polynomials, and roots.

Rationale: This is course is being created for all University System of Georgia institutions offering remediation for MATH 1111. It is intended as a full semester

remedial course to be followed by MATH 1111, together with corequisite course MATH 0999.

Effective Term: Fall 2015

CURCAT:

Major Department: Mathematics

Can course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: S/U

Instruction Type: Lecture

Course Equivalent: None

4. Create the following course:

MATH 0999 Support for College Algebra (MATH 1111)

2-0-2

Prerequisite: Placement according to Math Placement Index ($1100 \leq \text{MPI} < 1265$) or successful completion of MATH 0989.

Description: Provides just-in-time support for students concurrently enrolled in MATH 1111. Topics will parallel topics studied in MATH 1111, as well as essential quantitative skills needed to be successful in MATH 1111, including factoring, polynomial expressions, and roots.

Rationale: This course is being created for all University System of Georgia institutions offering remediation for MATH 1111. It will be taught concurrently with MATH 1111.

Effective Term: Fall 2015

CURCAT:

Major Department: Mathematics

Can course be repeated for additional credit? No

Maximum Number of Credit Hours: 2

Grading Mode: S/U

Instruction Type: Lecture

Course Equivalent: None

F. Psychology

Items 1-3 from the Department of Psychology were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Modify the following course:

PSYC 2190 – Careers and Professional Skills in Psychology

3-0-3

Prerequisites: PSYC 1101 and MATH 2200 (minimum grade of C)

Corequisites: PSYC 2200 and 2201

Rationale: The course content in PSYC 2190, 2200, and 2201 are complementary and taking these courses as a learning community will help students synthesize the course content across all three courses.

Effective Term: Fall 2015

2. Modify the following course:

PSYC 2200 INTRODUCTION TO PSYCHOLOGICAL RESEARCH 3-0-3

Prerequisites: PSYC 1101 and MATH 2200 (minimum grade of C)

~~Prerequisite or e~~Corequisites: PSYC 2190 and PSYC 2201

An introduction to scientific methodology and its application to psychology, with emphasis on data collection methods and statistical ~~techniques~~ techniques including, but not limited to, correlation, factorial ANOVA, and nonparametric procedures. Students are required to perform statistical analyses using SPSS statistical programs, conduct an original psychological investigation, and write an APA style report of the research.

Rationale: The course content in PSYC 2190, 2200, and 2201 are complementary and taking these courses as a learning community will help students synthesize the course content across all three courses.

Effective Term: Fall 2015

3. Modify the following course:

PSYC 2201 INTRODUCTION TO PSYCHOLOGICAL RESEARCH LAB 0-1-1

Prerequisites: PSYC 1101 and MATH 2200 (minimum grade of C)

Co-requisites: ~~PSYC 2190~~ and PSYC 2200

Rationale: The course content in PSYC 2190, 2200, and 2201 are complementary and taking these courses as a learning community will help students synthesize the course content across all three courses.

Effective Term: Fall 2015

OTHER BUSINESS

A. Requiring courses in the Core. Dr. Brooks followed up on the question from the November meeting regarding whether or not particular courses can be required in Core Areas A-E. She received verification from the system office that institutions must apply for permission to do this. In addition, Courses in Areas A-E may not be prerequisites for courses in the major. There are exceptions, as listed in the USG Academic and Student Affairs Handbook, Section 2.4.7. Any requirements in place as of the 2008-2009 catalog are allowed.

B. CIP in CURCAT. There was discussion of whether or not to add a field for the CIP code to the CURCAT information for new courses. It was agreed that the CIP is really only

necessary for new course prefixes, and Mr. McCaskill said his office would be happy to work with faculty on determining the CIP codes in these cases. Therefore, the field will not be added to required CURCAT information.

ADJOURNMENT. The meeting was adjourned at 4:25 p.m.

Respectfully submitted,

Phyllis L. Fulton
Catalog Editor and Secretary to the Committee

Armstrong

UNIVERSITY CURRICULUM COMMITTEE

University Hall 282

Minutes, January 14, 2015

PRESENT: Myka Campbell, Suzanne Carpenter, Becky da Cruz, Mirari Elcoro, Katrina Embrey, Sara Gremillion (vice chair), Robert Harris, Jackie Kim, David Lake (chair), Kam Fui Lau, Julie Swanstrom, James Todesca, Phyllis Fulton (Catalog Editor)

ABSENT: Anthony Parish

GUESTS: Bill Baird, Donna Brooks, Brent Feske, John Hobe, Rock McCaskill, Sandy Streater, David Ward, Jane Wong

CALL TO ORDER. The meeting was called to order at 3:02 p.m. by Dr. David Lake.

APPROVAL OF MINUTES. The minutes December 3, 2014 were approved as presented.

ITEMS

I. College of Education

A. Childhood and Exceptional Student Education

Items 1-4 from the Department of Childhood and Exceptional Student Education were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Create the following course:

ECUG 4075 Teaching of Social Studies and Science

3-V-3

Prerequisites: Admission to Candidacy in the Department of Childhood and Exceptional Student Education and EDUC 3200, ECUG 3040, ECUG 3060

Emphasizes the teaching and learning of meaningful social studies and science concepts for children in grades PreK-5. A field experience is required.

Rationale: By combining the social studies methods and science methods courses, a mathematics methods course can be developed and added to the program of study.

Effective Term: Fall 2015

CURCAT:

Major Department: Childhood and Exceptional Student Education
Can Course be repeated for additional credit? No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture
Course Equivalent: ECUG 4070 & ECUG 4080

2. Delete the following courses:

~~ECUG 4070 SOCIAL STUDIES~~

~~3-V-3~~

~~ECUG 4080 METHODS IN EARLY CHILDHOOD SCIENCE~~

~~3-V-3~~

Rationale: By combining the social studies methods and science methods courses, a mathematics methods course can be developed and added to the program of study.

Effective Term: Fall 2015

3. Create the following course:

ECUG 4085 Teaching of Mathematics

3-V-3

Prerequisites: Admission to Candidacy in the Department of Childhood and Exceptional Student Education and EDUC 3200, ECUG 3040, ECUG 3060.

Emphasizes the teaching and learning of meaningful mathematics to children in grades PreK-5. A field experience is required.

Co-requisite: ECUG 3750

Rationale: Since students in Fall of 2015 will be required to complete a math section on edTPA, it's essential that a math methods course be developed.

Effective Term: Spring 2016

CURCAT:

Major Department: Childhood and Exceptional Student Education
Can Course be repeated for additional credit? No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture
Course Equivalent: None

4. Modify the following program of study:

Program for the Degree of Bachelor of Science in Early Childhood Education

Track 1: Early Childhood Education with Teacher Certification

B. Major Field Courses47 hours

EDUC 3100 Technology Applications for Teachers

EDUC 3200 Curriculum, Instruction, and Assessment

EDUC 3300 Educating Students with Disabilities in the General Education Classroom

ECUG 3040 Childhood Development from Prenatal Period to Adolescence

ECUG 3060 Language Arts: Oral Language, Writing, Spelling And Grammar

ECUG 3071 Teaching Children's Literacy

ECUG 3072 Teaching of Reading

ECUG 3750 Internship I Pre-Student Teaching

~~ECUG 4070 Social Studies~~

~~ECUG 4080 Methods in Early Childhood Science~~

ECUG 4075 Teaching of Social Studies and Science

ECUG 4085 Teaching of Mathematics

ECUG 4090 Classroom Management

ECUG 4300 Language Arts Assessment and Modification

ECUG 4750 Internship II Student Teaching

B. Secondary, Adult, and Physical Education

Item 1 from the Department of Secondary, Adult, and Physical Education was discussed and the undergraduate portion approved by the committee. It is being submitted to the Graduate Curriculum Committee and therefore is marked "For Information Only" for the report to the Senate.

1. Create the following course:

EDUC 5750U/G Extended Field Experience

V-V-(3-9)

Undergraduate Prerequisite: Satisfactory score(s) on the appropriate GACE II certification test(s), and completion of all coursework in the program of study.

Graduate Prerequisite: Satisfactory score(s) on the appropriate GACE II certification test(s), and completion of all coursework in the program of study.

This field experience is a targeted experience in Planning, Instruction, and /or Assessment based on the performance assessment data. Completion and submission of a national pedagogical assessment is required (edTPA).

Rationale: In order to be a "program completer" in the state of Georgia, educator preparation candidates must take and pass a 3 task, 15/16 rubric pedagogical content performance assessment, edTPA. Undergraduate students must have completed ECEG 4750, SPED 4750, PEHM 4750 or MGSE 4750 and graduate students must have completed ECMT 6750, EEXE 6750 or SCED 6750. Undergraduate students must enroll in EDUC 5750U and graduate students must enroll in EDUC 5750G. This is a rigorous assessment that is portfolio based and developed by the candidate during clinical internship II (student teaching). In order for candidates to take the assessment they must be affiliated as a candidate (student) in a College of Education or Educator Preparation Program (EPP). Though we expect all of our candidates will be successful on the assessment that is scored nationally by external scorers hired by Pearson, the College of Education wants to create opportunities for those students who may struggle, or not pass particular rubric(s) or task(s). This is a highly

consequential assessment that is required of all new teachers entering the profession in Georgia. Currently there is no cut score published by the Georgia Professional Standards Commission, though the ‘rule’ goes into effect July 1, 2015. Another new rule that impacts enrollment in this course is the requirement that anyone who is doing field experiences or internships in Georgia public schools must attain a Pre-service Certificate. The Pre-service Certificate is connected to a sponsoring EPP, and once a candidate is labeled “program completer” the Pre-service Certificate is removed immediately, regardless of passing the required assessments necessary for teacher certification in Georgia. edTPA is a field based assessment that candidates must provide evidence including videotaping of instruction and assessment, as well as student artifacts. The assessment cannot be completed without a field placement, or affiliation with an EPP. Therefore, it is imperative that we have opportunities for candidates to “re-take” the edTPA, as well as retain their Pre-service Certificate in order to support candidate progression to eligibility to become teachers in Georgia.

Another possible target group who would register for this course includes “new teachers” (less than 3 years experience) from other states, which must take and pass the edTPA in order to obtain an Induction Certificate in Georgia.

Effective Term: Fall 2015

CURCAT:

Major Department: Secondary, Adult, and Physical Education

Can course be repeated for additional credit? Yes

Maximum number of credit hours: 9

Grading Mode: S/U

Instruction Type: Lab

II. College of Health Professions

A. Diagnostic and Therapeutic Sciences (no items)

B. Health Sciences

Item 1 from the Department of Health Sciences was discussed and approved by the committee. It is being submitted to the Faculty Senate for approval.

1. Modify the following program of study:

Program for the Degree of Bachelor of Health Science

Track One: Health Services Administration

C. Related Field Courses48 hours

GERO 5500U Survey of Gerontology

HLPR 2200 Interprofessional Teams in Healthcare Organizations

HSCA 3600 Financial Management for Health-Related Organizations

HSCA 4201 Health Care Marketing
 HSCA 4600 Principles of Human Resources Management
 HSCA 4610 Health Care Economics
 HSCA 4620 Principles of Management in Health Services Organizations
 HSCA 4630 Health Information Systems
 HSCA 4655 Principles of Health Insurance and Reimbursement
 HSCA 4660 Survey of Health Outcomes
 HSCC 3130 Health Policy Issues
 HSCP 2000 Ethical Theories/Moral Issues in Health
 MHSA 5800U Comparative Health Care Systems
 Students must take ~~12~~9 hours from this list
 ECON 2105 Macroeconomics
 ECON 2106 Microeconomics
 GERO 5510U Healthy Aging
 HSCC 4005 Interprofessional Patient Advocacy Internship
 HSCC 4950 Practicum
 HSCF 3710 Worksite Wellness and Safety
 HSCP 2050 Introduction to the Disease Continuum
 HSCP 4000 Independent Study in Health Sciences
 PSYC 5150U Conflict Resolution
 PSYC 5300U Leadership and Group Dynamics
 PUBH 5560U Introduction to International Health
 PUBH 5570U Women and Minority Health Issues
 SPAN 1001 Elementary Spanish I
 SPAN 1002 Elementary Spanish II

Rationale: HLPR 2200 is a newly created course that would give health administration students exposure to other health professional disciplines and foster the development of inter-professional team skills that are congruent with the CHP strategic plan. The track allowed for 12 hours of electives, giving the program flexibility to add an additional required course to the major.

Effective Date: Fall 2015

- C. Nursing (no items)
- D. Rehabilitation Sciences (no items)

III. College of Liberal Arts (no items)

IV. College of Science and Technology

A. Biology

Item 1 from the Department of Biology was discussed and approved by the committee. It is being submitted to the Faculty Senate for approval.

1. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY

Track I: General Biology

B. Major Field Courses~~31-38~~³²⁻³⁹ hours

Required Courses (~~15-14~~ hours)

- BIOL 2020 Plant Biology
- BIOL 3000 Cell Biology
- BIOL 3050 General Ecology
- BIOL 3700 Genetics

Elective Courses (~~18~~¹⁷-24 hours)

Choose one of the following:

- BIOL 4150 Plant Physiology
- BIOL 4200 Mammalian Physiology
- BIOL 4210 Comparative Physiology

Choose one of the following:

- BIOL 3250 Limnology
- BIOL 3470 Environmental Restoration
- BIOL 3600 Salt Marsh Ecology
- BIOL 4320 Environmental Microbiology
- BIOL 4460 Phytoplankton Ecology
- BIOL 4750 Tropical Field Biology

BIOL 4240 Behavioral Ecology

Choose two of the following:

- BIOL 3030 Evolution
- BIOL 3520 Medical Microbiology
- BIOL 4000 Cancer Biology
- BIOL 4100 Cell and Molecular Biology Laboratory
- BIOL 4220 Endocrinology
- BIOL 4230 Neurophysiology and Disease
- BIOL 4310 Applied Microbiology
- BIOL 4400 Virology
- BIOL 4500 Bioinformatics and Biotechnology
- BIOL 4510 Molecular Development
- BIOL 4520 Epigenetics
- BIOL 4650 Immunology

Choose two of the following:

- BIOL 3020 Vertebrate Zoology
- BIOL 3150 Horticulture
- BIOL 3200 Plant Taxonomy
- BIOL 3300 Entomology
- BIOL 3310 Invertebrate Zoology
- BIOL 3750 Natural History of Vertebrate Animals
- BIOL 3770 ~~Developmental and~~ Comparative **Vertebrate** Anatomy ~~of the~~
~~Vertebrates~~
- BIOL 3800 Mycology

BIOL 3920 Parasitology
 BIOL 3950 Human Embryology
 BIOL 4470 Sea Turtle Biology
 BIOL 4550 Biology of Marine Organisms
 BIOL 4600 Ichthyology

C. Related Field Course 1 hour

CHEM 2101L Organic Chemistry I Lab

D. Electives ~~20-27~~21-28 hours

Select free electives to bring total of 3000+ course work to at least 39 hours.

Track II: Marine Biology

B. Major Field Courses ~~32-35~~31-34 hours

Required Courses (~~19-18~~ hours)

BIOL 2020 Plant Biology
 BIOL 3000 Cell Biology
 BIOL 3050 General Ecology
 BIOL 3700 Genetics
 BIOL 4550 Biology of Marine Organisms

Elective Courses (13-16 hours)

Choose one of the following:

BIOL 4150 Plant Physiology
 BIOL 4200 Mammalian Physiology
 BIOL 4210 Comparative Physiology

Choose one of the following:

BIOL 3020 Vertebrate Zoology
 BIOL 3310 Invertebrate Zoology
 BIOL 3750 Natural History of Vertebrate Animals
BIOL 3770 Comparative Vertebrate Anatomy

Choose two of the following:

BIOL 3030 Evolution
 BIOL 3200 Plant Taxonomy
 BIOL 3250 Limnology
 BIOL 4320 Environmental Microbiology
 BIOL 4460 Phytoplankton Ecology
 BIOL 4470 Sea Turtle Biology
 BIOL 4600 Ichthyology
BIOL 4240 Behavioral Ecology
 BIOL 4750 Tropical Field Biology

C. Related Field Courses9 hours

CHEM 2101L Organic Chemistry I Lab

PHYS 1111K Introductory Physics I or PHYS 2211K Principles of Physics I

MATH 1161 Calculus I (If taken in core area A, then substitute with either MATH 2072; PHYS 1112K or PHYS 2212K)

D. Electives ~~16-19~~17-20 hours

Select free electives to bring total of 3000+ course work to at least 39 hours.

Track III: Cell and Molecular Biology**B. Major Field Courses25-28 hours**

Required Courses (12 hours)

BIOL 3000 Cell Biology

BIOL 3700 Genetics

BIOL 4100 Cell and Molecular Biology Laboratory

BIOL 4500 Bioinformatics and Biotechnology

Elective Courses (13-16 hours)

Choose one of the following:

BIOL 4150 Plant Physiology

BIOL 4200 Mammalian Physiology

BIOL 4210 Comparative Physiology

Choose one of the following:

BIOL 3020 Vertebrate Zoology

BIOL 3030 Evolution

BIOL 3300 Entomology

BIOL 3310 Invertebrate Zoology

BIOL 3750 Natural History of Vertebrate Animals

BIOL 3770 Comparative Vertebrate Anatomy

BIOL 3800 Mycology

BIOL 3920 Parasitology

Choose two of the following:

BIOL 3520 Medical Microbiology

BIOL 3950 Human Embryology

BIOL 4000 Cancer Biology

BIOL 4220 Endocrinology

BIOL 4230 Neurophysiology and Disease

BIOL 4310 Applied Microbiology

BIOL 4320 Environmental Microbiology

BIOL 4400 Virology

BIOL 4510 Molecular Development

BIOL 4520 Epigenetics

BIOL 4650 Immunology

Rationale: To incorporate new classes, to update modified classes, and to change credit hour allocation due to separation of BIOL 3050 and BIOL 3050L and making BIOL 3050L optional at the December meeting.

Effective Date: Fall 2015**B. Chemistry and Physics**

Items 1-12 from the Department of Chemistry and Physics were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

Biochemistry Curriculum Items

1. Create the following course:

BCHM 2900 INTRODUCTION TO BIOCHEMICAL RESEARCH 0-(3-9)-(1-3)

Prerequisite: permission of the department head, declared biochemistry major.

Prerequisite or co-requisite: CHEM 1211

Faculty originated biochemical lab-based research project. Written report required.

Rationale: When developing the B.S. Biochemistry program of study, undergraduate research in biochemistry was inadvertently omitted from the program of study. This course is in line with other research opportunities for students in our department (CHEM 2900, 3900, 4991, PHYS 2900, 4991) and our College.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: Yes

Maximum Number of Credit Hours: 9

Grading Mode: S/U

Instruction Type: Laboratory

2. Create the following course:

BCHM 3900 BIOCHEMICAL RESEARCH 0-(3-9)-(1-3)

Prerequisite: permission of department head, declared biochemistry major.

Prerequisite or co-requisite: CHEM 2102

Faculty originated biochemical lab-based research project. Scientific paper required.

Rationale: When developing the B.S. Biochemistry program of study, undergraduate research in biochemistry was inadvertently omitted from the program of study. This course is in line with other research opportunities for students in our department (CHEM 2900, 3900, 4991, PHYS 2900, 4991) and our College.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: Yes

Maximum Number of Credit Hours: 9

Grading Mode: S/U

Instruction Type: Laboratory

3. Create the following course:

BCHM 4991 ADVANCED BIOCHEMICAL RESEARCH 0-(3-9)-(1-3)

Prerequisite: permission of department head, declared biochemistry major and CHEM 3801 and BCHM 3811

Prerequisite or co-requisite: BCHM 4501

Faculty-originated biochemical lab-based research project. Literature evaluation and lab investigation. Scientific paper and oral presentation to faculty.

Rationale: When developing the B.S. Biochemistry program of study, undergraduate research in biochemistry was inadvertently omitted from the program of study. This course is in line with other research opportunities for students in our department (CHEM 2900, 3900, 4991, PHYS 2900, 4991) and our College.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: Yes

Maximum Number of Credit Hours: 9

Grading Mode: S/U

Instruction Type: Laboratory

4. Create the following course:**BCHM 4700 ADVANCED TOPICS IN BIOCHEMISTRY 2-0-2**

Prerequisites: CHEM 3801 and instructor/Department Head permission

Topics include advanced areas of study in biological chemistry and may include biocatalysis, bioinorganic chemistry, computational biochemistry, protein structure and design as well as others. Course may be repeated as topics vary.

Rationale: The B.S. Biochemistry program would like to have the ability to offer advanced courses on a regular basis to supplement the core instruction give to our students. These courses would enhance the theoretical knowledge of our students and allow for faculty to teach disciplinary courses in their specialty and interest areas.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: Yes

Maximum Number of Credit Hours: 6

Grading Mode: Normal

Instruction Type: Lecture

5. Modify the following program of study:

Program for the Degree of Bachelor of Science in Biochemistry

B. Major Field Courses 36 hours

BCHM 3301 Bioanalytical Chemistry

BCHM 3403 Biophysical Chemistry

BCHM 3811 Introduction to Biochemical Techniques

Choose one of the following classes:

BCHM 3812 Advanced Biochemistry Laboratory

BCHM 3900 Biochemical Research (1 credit hour)**BCHM 4991 Advanced Biochemical Research (1 credit hour)****CHEM 3900 Chemical Research (Biochemistry approved, 1 credit hour)**

BCHM 4811 Bioinstrumental Laboratory

CHEM 2101/2101L Organic Chemistry I with Laboratory

CHEM 2102/2102L Organic Chemistry II with Laboratory

CHEM 2300 Principles of Chemical Analysis

CHEM 3801 Biochemistry I

CHEM 3802 Biochemistry II

CHEM 4500 Chemistry Seminar or BCHM 4501 Biochemistry Seminar

7 hours of approved upper division chemistry **or biochemistry** courses. **No more than 3 hours total can be from CHEM 3900, CHEM 4991, BCHM 3900 and BCHM 4991.**

Effective Term: Fall 2015**6. Create the following minor**

CHEM 1211 & 1212 are used by BCHM majors in core D.

Minor in Biochemistry**17 hours**

CHEM 2101, 2101L, 2102 & 2102L (8 hours total)

CHEM 3801, Biochemistry I (3 hours of upper division)

CHEM 3802, Biochemistry II (3 hours of upper division)

3 additional hours of BCHM courses at the 3000 or 4000 level

Rationale: There is expressed interest in a minor in biochemistry from students. This collection of coursework would allow the student to complete a minor within the guidelines set forth by the BOR related to minors. This would place us at 17 hours (which meets the requirement) and 9 hours of upper division coursework (which meets the requirement).

Effective Term: Fall 2015**Physics Curriculum Items: Proposed Health Physics Track****7. Create the following course:****PHYS 3601 INTRODUCTION TO RADIATION PHYSICS I****3-0-3****Prerequisite: PHYS 3801K (minimum grade of C)**

Fundamentals about atomic physics and radiation: atomic structure, the nucleus, nuclear radiation, radioactive decays and interactions of heavy charged particles with matter.

Rationale: This course lays the foundation for the health physics track. Health physicists must have an understanding of radiation and its interactions with matter and how to detect radiation in the environment.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Equivalent Course: None

8. Create the following course:

PHYS 3602 INTRODUCTION TO RADIATION PHYSICS II

3-0-3

Prerequisite: PHYS 3601 (minimum grade of C)

Fundamentals about atomic physics and radiation: interactions of electrons with matter, interactions of photons with matter, neutrons, fission, and methods of radiation detection.

Rationale: This course continues to lay the foundation for the health physics track. Health physicists must have an understanding of radiation and its interactions with matter and how to detect radiation in the environment.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics

Can course be repeated for additional credit: No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

9. Create the following course:

PHYS 3403 Biophysics

3-0-3

Prerequisite: PHYS 3801K (minimum grade of C)

A survey of physics applications to biology, including the thermodynamics of life, forces affecting conformation in biological molecules, physics of membranes, and spectroscopy.

Rationale: The study of the intersection of physics and biology will give the health physics track major a deeper understanding of biological systems as they relate to physics. This course will be cross-listed by CHEM program as being equivalent to BCHM 3403.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture
Equivalent Course: BCHM 3403

10. Create the following course:

PHYS 3650 RADIATION EXPOSURE IN THE WORKPLACE AND IN THE ENVIRONMENT **3-0-3**

Prerequisite: PHYS 3801K (minimum grade of C)

A survey of how radiation is used in a variety of contexts, how it is detected and measured (i.e. dosimetry and radiation detectors), and the effect on people and the environment.

Rationale: Health physicists must have knowledge of how radiation is used for the benefit of people in various sectors of society.

Effective Term: Fall 2015

CURCAT:

Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture
Equivalent Course: None

11. Create the following course:

PHYS 3660 MEDICAL IMAGING **3-0-3**

Prerequisite: PHYS 3801K (minimum grade of C)

A survey of how electromagnetic and nuclear radiation is used in a variety of medical imaging techniques (such as CT, MRI, and PET).

Rationale: Health physicists must have knowledge of medical imaging techniques.

Effective Term: Fall 2015

CURCAT:**Major Department: Chemistry and Physics****Can course be repeated for additional credit: No****Maximum Number of Credit Hours: 3****Grading Mode: Normal****Instruction Type: Lecture****Equivalent Course: None****12. Create the following track for the program of study for the B.S. of Science in Applied Physics:****Track III: Health Physics****A. General Requirements****Core Areas A, B, C, D.IIA, and E42 hours**

Applied physics majors are required to take MATH 1113 in core area A and MATH 1161 in core area D

Area F18 hours

PHYS 2211K, 2212K Principles of Physics I, II (unless taken to satisfy core area D, in which case replace with BIOL 1107, 1107L and 1108)

MATH 2160 or STAT 3231

MATH 2072 Calculus II

CSCI 1301 Introduction to Programming Principles or ENGR 1371

Computing for Engineers

Physical Education3 hours**First-Year Seminar 1 hour****B. Major Field Courses30 hours**

PHYS 3100 Electrical Circuit Analysis or ENGR 3100 Circuit Analysis

PHYS 3801K Modern Physics

PHYS 3802 Introduction to Quantum Mechanics

PHYS 3403 Biophysics

PHYS 3601 Introduction to Radiation Physics I

PHYS 3602 Introduction to Radiation Physics II

PHYS 3650 Radiation Exposure in the Workplace and Environment

PHYS 3660 Medical Imaging

Choose three semester hours from:

PHYS 2900 Introduction to Research in Physics

PHYS 3220 Mechanics of Deformable Bodies

PHYS 3230 Fluid Mechanics

PHYS 3312 Electromagnetism

PHYS 3400 Chemical Thermodynamics

PHYS 3500 Diffraction and Crystallography

PHYS 4991 Advanced Research in Physics

Choose three semester hours from:

PHYS 4900 Independent Study in Physics

PHYS 4950 Special Topics in Physics

PHYS 4960 Physics Internship

C. Related Field Courses23 hours

CHEM 1211 Principles of Chemistry I (and lab) (unless taken to satisfy core area D, in which case replace with BIOL 1107 and 1107L)

CHEM 1212 Principles of Chemistry II (and lab) (unless taken to satisfy core area D, in which case replace with BIOL 1107 and 1107L)

MATH 3411 Differential Equations

Twelve semester hours of related field electives approved by the physics faculty.

D. Electives7 hours

Upper-division courses (6 semester hours)

Free elective (1 semester hour)

Total Semester Hours

124 hours

E. Exit Exam

Rationale: As a result of program review the physics program has concluded that the program should seek to become more attractive than just being able to offer the traditional applied physics major. We see this as an opportunity to offer a specialized track in Health Physics.

The Health Physics Track would teach graduates the skills needed to either enter graduate school in programs such as a biophysics or to pursue a career in policy design/decisions at laboratories and health facilities. This would require the creation of five new physics courses. However, one of these courses would be cross-listed with a pre-existing BCHM course as equivalent to the course in the physics major field of study. This is being done by agreement with the BCHM program.

Effective Term: Fall 2015

C. Computer Science and Information Technology (no items)

D. Engineering Studies (no items)

E. Mathematics

Items 1-4 from the Department of Mathematics were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Modify the following course:

MATH 1001 QUANTITATIVE SKILLS AND REASONING

3-0-3

~~Prerequisite: regular admission to the university or a passing grade on COMPASS.~~

Prerequisite: Math Placement Index (MPI) of 1165 or higher

Corequisite: MATH 0997 for MPI of 1075 or higher and less than 1165

Rationale: These prerequisite and name changes are being made for all University System of Georgia institutions offering MATH 1001 and its corequisite remedial course, MATH 0997.

Effective Term: Fall 2015

2. Modify the following course:

MATH 1111 COLLEGE ALGEBRA

3-0-3

~~Prerequisite: regular admission to the university or a passing grade on COMPASS~~

Prerequisite: Math Placement Index (MPI) of 1265 or higher

Corequisite: MATH 0999 for MPI of 1100 or higher and less than 1265

Rationale: These prerequisite changes are being made for all University System of Georgia institutions offering MATH 1111 and its corequisite remedial course, MATH 0999.

Effective Term: Fall 2015

3. Modify the following course:

MATH 1113 PRE-CALCULUS MATHEMATICS

3-0-3

~~Prerequisite: MATH 1111 (minimum grade of C) or a score of at least 550 on the mathematics portion of the SAT or a score of at least 21 on the mathematics portion of the ACT~~ 1500 or higher on the Math Placement Index (MPI)

Rationale: These prerequisite changes incorporate the use of the University System of Georgia's Math Placement Index.

Effective Term: Fall 2015

4. Modify the following course:

MATH 1161 CALCULUS I

4-0-4

~~Prerequisite: MATH 1113 (minimum grade of C) or a score of at least 600 on the mathematics portion of the SAT or a score of at least 24 on the mathematics portion of the ACT~~ 1600 or higher on the Math Placement Index (MPI)

Rationale: These prerequisite changes incorporate the use of the University System of Georgia's Math Placement Index.

Effective Term: Fall 2015

F. Psychology (no items)

OTHER BUSINESS

- A. **The Department of Adolescent and Adult Education is now the Department of Secondary, Adult, and Physical Education**, effective January 1, 2015.
- B. **CRJU 1200** Introduction to Cyber Crime, created at the meeting of 11/5/2014, was assigned a number that had previously been used. It **has been changed to CRJU 1210** Introduction to Cyber Crime.

ADJOURNMENT. The meeting was adjourned at 3:32 p.m.

Respectfully submitted,

Phyllis L. Fulton
Catalog Editor and Secretary to the Committee

Joint Leadership Team
December 2, 2014
Summary

Attendees: L. Bleicken, R. Carroll, E. Desnoyers-Colas, A. Heaston, R. Howard, B. Kelso, G. Lewis, L. Mills, C. Nunez, C. Padgett, P. Potter, A. Thompson, D. Ward, D. Wheeler, J. Wong

Faculty Leadership Development Program

Jane Wong updated the team on the Faculty Leadership Development Program. Eight participants representing the Colleges of Health Professions, Liberal Arts, and Science and Technology met on November 18 for an orientation session. Six sessions have been planned for spring semester, beginning in January and ending in May. The participants by college are as follows.

College of Health Professions:

Maya Clark
 April Garrity
 Bob LeFavi

College of Liberal Arts:

Becky da Cruz
 Pamela Sears

College of Science and Technology:

Sara Gremillion
 Scott Mateer
 Michael Tiemeyer

Presentations to Faculty Senate

Elizabeth Desnoyers-Colas stated that faculty members are appreciative of information being shared and they feel that they are being kept informed. Individuals are encouraged to continue to send information via email or post to websites. At Faculty Senate meetings, the challenge is continuing presentations by administrators and/or their representatives with the time constraints of the meeting schedule. To accommodate both the meeting schedule and presentations, Faculty Senate requests the following: presentations be 10-15 minutes in length; handouts are submitted prior to the meeting for dissemination with the meeting agenda; and power point presentations are not read to the Senate. Senators will be asked to hold their questions until the conclusion of the presentation.

Student Government Association

Cassian Nunez shared four items that were approved at the December 1 Student Government Association meeting. The items were the DACA letter of support, the SGA App standards, the catering appeals process for recognized student organizations (RSO) and the eCore resolution. Elizabeth Desnoyers-Colas invited Mr. Nunez to the January Faculty Senate meeting to discuss the DACA letter of support and Laura Mills invited him to the January Staff Council meeting. Support from both faculty and staff for the initiative will enhance the impact of the letter.

EAB Student Success Collaborative

David Ward shared that the Education Advisory Board (EAB) is a company that provides research, technology, and consulting services to institutions of higher education. The EAB Student Success Collaborative (SSC) is a service for institutions that combines research, technology, and predictive analytics with the intent of positively impacting the success of students as they progress and matriculate to graduation. More detailed information on SSC may be found at <http://www.eab.com/technology/student-success-collaborative/about-the-student-success-collaborative>. Several USG institutions already work with the EAB SSC. Armstrong has an opportunity to pilot predictive analytics during Spring 2015 with full implementation for Fall 2015. During the spring, EAB would mine historical data to determine barriers to student success and with predictive modeling, identify individualized recommendations to help students determine next steps for success. EAB staff will train users on the system. The cost of the service is \$95,000 per year with a one-time start-up cost of \$40,000. Several suggestions were offered regarding informing campus about the project including holding a forum, having an EAB representative share the platform, and having a representative from one of the USG schools share the use and impact on their campus.

Updates

United Way State Charitable Contributions Campaign

Laura Mills shared that the number of campus participants increased from 15 to 19 this year with an overall total of \$2730 raised, \$913 less than last year. Bill Kelso shared that individuals submitted gifts to the United Way outside of the SCC campaign and credited Armstrong. These contributions increased Armstrong's contributions to over \$6000. Mr. Kelso will investigate how we can better capture all contributions made in Armstrong's name to the United Way.

Enrollment

David Ward and Georj Lewis provided an enrollment update for spring and fall. The enrollment target for Spring 2015 is 6710 (618 new students, 6092 continuing students). As of the meeting date, the Spring 2015 enrollment was 5401 or 80.5% of the enrollment target. The fall to spring retention target for all students is 90%. As of the meeting date, the overall retention rate was 80.4%. A communication plan targeting returning students has been implemented, encouraging students to register for spring semester. The Office of Admissions is making congratulatory calls. Lists of accepted students are being sent to Navigate, Housing, Financial Aid, and Advisement and Orientation for follow-up. The *Start Strong, Start Now* event is scheduled for December 12 from 9:00am-7:00pm in the Armstrong Center.

The enrollment target for Fall 2015 is 7272. A campaign, *7272...What can you do?* is being developed. During Fall 2014, 342 students attended a Pirate Preview, an increase of 114 students from last year. Undergraduate Admissions' fall events included 121 high school visits, 65 PROBE Fair events, 4 College Week Live events, 4 All Access events, and attendance at NACAC National College Fairs. Additional efforts outside of the Office of Admissions included the following: visitations to 3 high schools in October by Recreation and Wellness staff; Islands High School presentation by Disability Services; Multicultural Affairs connected with over 250 prospective students and jointly hosted an Adults Back to College event with Savannah State and Savannah Tech. The College of Science and Technology hosted an event for 32 Woodville Tompkins High School STEM

students. Undergraduate applications for Fall 2015 are up by 24% and admits are up by 10.8%. Completed applications for undergraduates are down by 12.9%. The focus will be on processing applications so once an application is designated complete a decision can be made. *Note: As of December 16, undergraduate applications for Fall 2015 are up by 8.6%, completed applications are up by 12.8%, and admits are up by 8.9%.*

Staff Council

Laura Mills shared that the Fall Staff Assembly was held November 10 with excellent attendance. Megan Feasel and Jason Salzer from Recreation and Wellness presented on healthy eating habits for busy working professionals. In conjunction with SGA, Staff Council is promoting Toys for Tots by asking individuals to bring an unwrapped toy to the Tree Planting and Holiday Gathering at 2:00pm on December 5 at Burnett Hall. On December 16, the Holiday Luncheon will be held from 12:00-2:00pm in the Student Union Ballroom. Individuals are encouraged to bring donations for the Humane Society (food, towels, high efficiency laundry detergent, pill pockets, cat litter).

SGA

Cassian Nunez shared that SGA was sponsoring two events to garner donations for Toys for Tots on December 2 (Open Mic Night) and December 3 (movie night). SGA's Tobacco and Smoke Free Campus Campaign is moving forward. The SGA App has been downloaded by 562 individuals. The goal is to reach 1000 students by the end of the year. The SGA will be promoting the Campus Climate Survey to students, setting a goal of 2100 completed surveys. An Armstrong Student Alumni Association will begin in the spring with an Executive Board currently being formed. The new alumni association will co-host the spring Armstrong Heroes event. SGA will be working to separate CUB from SGA with CUB having its own Executive Board. The action will align our structure with other USG institutions' structures. The USG Student Advisory Council is advocating for allocated time during an upcoming BOR meeting to present on issues of concern to the Council (campus safety, enrollment based funding versus performance based funding, and scholarship funding). Mr. Nunez asked whom he could contact with questions about the new performance based funding model. He was encouraged to contact Mr. John Brown, Vice Chancellor for Fiscal Affairs. Mr. Nunez also asked about the status of broadening the availability of the Armstrong Commitment Fund to undocumented students. Bill Kelso and Georg Lewis indicated that an alternative model to determine need that is used by another USG institution is being researched for use at Armstrong. Mr. Nunez also asked for an update on the *Finish Strong* housing initiative because students would like to see it expanded. Dr. Lewis indicated that the pilot project has been very positive with no reported issues. Housing is currently exploring expansion plans. Mr. Nunez thanked administrators for allowing students to select either Armstrong State University or Armstrong Atlantic State University for their diplomas during this academic year.

Plantonics

Jane Wong shared that on November 21, Armstrong broke ground on the Armstrong Plantonics Research Center. The Center is in collaboration with Plantonics LLC, led by Claude Galipeault. The collaboration will enable Armstrong faculty and students the opportunity to conduct interdisciplinary research and to advocate for sustainable aquaculture.

Spring 2015 JLT Meeting Dates

The Joint Leadership Team will meet at 9:00am in the Burnett Hall Boardroom on the following dates during spring semester: January 27, February 24, March 31, and April 28. Team members were asked to place the dates on their calendars.

Additional Items

Tobacco and Smoke Free Campus Policy Update

A campus communication was sent to all faculty, staff, and students from David Ward, Georj Lewis, and Rebecca Carroll on November 20, the date of the American Cancer Society's annual Great American Smokeout. The purpose of the communication was to remind individuals of the USG policy prohibiting the use of tobacco products on campus as well as the consequences of violating the policy. Training on a community-based approach to enforcement (appropriate way to have conversations with others) will occur with Armstrong Police Department members and Resident Assistants in Housing. If Human Resources is notified of Armstrong personnel violating the policy, the individual's supervisor will be notified. A verbal discussion will occur. Repeat offenses will result in a written reprimand. The question was asked about notification to outside visitors about the policy and the need to comply with it, especially those individuals attending events at the Armstrong Center. Rebecca Carroll will discuss with Sodexo ways to enhance current communication for outside events being held in the Armstrong Center.

Tree Planting and Holiday Gathering

The event will be held December 5, beginning at 2:00pm. The tree planting will occur in front of Burnett Hall with the holiday gathering immediately following in the Burnett Hall lobby.

Next Meeting: January 27 at 9:00 am in the Burnett Hall Boardroom

Faculty Personnel Requests

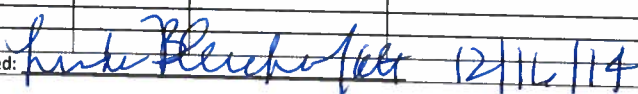
Appendix C

11/24/2014

11/24/2014

| PR RECEIVED | INITIATED BY | NEW/EXISTING | VACATE DATE | POSITION VAC BY: | TITLE | BUDGET IN PLACE? | NEW FUNDS NEEDED? |
|-------------|----------------------|--------------|-------------|------------------|---|------------------|-------------------|
| 11/17/2014 | Art, Music & Theatre | Existing | 5/17/2015 | Linda Jensen | Temporary Assistant Professor of Photography | Yes | No |
| 11/21/2014 | Mathematics | Existing | 7/31/2015 | Timothy Ellis | CST Tutorial Director and Lecturer in Mathematics | Yes | No |
| 11/21/2014 | Mathematics | Existing | 5/31/2015 | Stacy Trentham | Lecturer in Mathematics (Math Education) | Yes | No |
| 11/21/2014 | Mathematics | Existing | 7/31/2015 | Jack Boylston | Lecturer in Mathematics | Yes | No |
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[illegible]

| 12/16/2014 | | | | | 12/16/2014 | | | Appendix E | |
|-------------|----------------|--------------|-------|-------------|--|--|------------------|-------------------|---------------|
| PR RECEIVED | INITIATED BY | NEW/EXISTING | STAFF | VACATE DATE | POSITION VAC BY: | TITLE | BUDGET IN PLACE? | NEW FUNDS NEEDED? | 60-Day Hold ? |
| 12/9/2014 | Liberty Center | Temp | Staff | Temp | Siobahn Lawrence is on unpaid leave as of 10/24/14. Expected end date is 1/31/15 | Temporary Administrative Assistant III | Yes | No | No |
| 12/11/2014 | Admissions | Temp | Staff | Temp | Temp-Expected end date is 6/30/15 | Admissions Operations Assistant | Yes | No | No |
| 12/11/2014 | Admissions | Temp | Staff | Temp | Temp - Expected end date is 6/30/15 | Administrative Assistant II | Yes | No | No |
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| | | | | Approved: |  | | | | |
| | | | | | 12/16/14 | | | | |


Faculty Personnel Requests

Appendix F

1/12/2015

1/12/2015

| PR RECEIVED | INITIATED BY | NEW/EXISTING | VACATE DATE | POSITION VAC BY: | TITLE | BUDGET IN PLACE? | NEW FUNDS NEEDED? |
|-------------|-----------------|--------------|-------------|------------------|--|---------------------|----------------------|
| 1/7/2015 | Health Sciences | Existing | 12/31/2014 | Dr. Andy Bosak | Temporary Instructor - Exercise Science/Strength & Conditioning | Yes | No |
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| 1/12/2015 | | | 1/12/2015 | | | | | | |
|--|--------------------------|--------------|-----------|-------------|------------------|-----------------------------|------------------|-------------------|---------------|
| PR RECEIVED | INITIATED BY | NEW/EXISTING | STAFF | VACATE DATE | POSITION VAC BY: | TITLE | BUDGET IN PLACE? | NEW FUNDS NEEDED? | 60-Day Hold ? |
| 1/5/2015 | Facility Services | Existing | Staff | 5/29/2014 | Cory Lester | Groundskeeper II | Yes | No | No |
| 1/7/2015 | Housing & Residence Life | Existing | Staff | 8/1/2013 | John Johnson | Administrative Assistant II | Yes | No | No |
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| Approved:  | | | | | | | | | |

Current:

Academic Renewal for Returning Students

Students who previously attended and return to Armstrong after an absence from any post-secondary education for five years or longer, may be eligible for academic renewal, a policy whereby academic credit for previously completed course work is retained only for courses in which a grade of A, B, C, or S has been earned. Retained grades are not calculated in the academic renewal grade point average; however, all previously attempted coursework continues to be recorded on the student's transcript. To be eligible, students must not have been awarded an associate or bachelor's degree. Students interested in the academic renewal program may contact the Office of Academic Orientation and Advisement at 912.344.2570.

NEW

Academic Renewal for Returning Students

Undergraduate students who are transferring to Armstrong or returning to Armstrong after at least a five-year absence may be eligible for Academic Renewal. Eligible students are encouraged to apply for Academic Renewal status if reenrollment or transfer to Armstrong has been denied. Applications for Academic Renewal at the point of admission will be provided as part of the admissions appeal process. Students admitted upon renewal may be considered limited or provisional admission and may be limited in the number and types of hours they may take in their first semester.

All other eligible students, who do not request Academic Renewal status at that time, must do so within one calendar year of enrollment or re-enrollment. Students interested in the academic renewal program may contact the Office of Academic Orientation and Advisement at 912.344.2570 to obtain an application. Granting of Academic Renewal after enrollment is not automatic or guaranteed. Students must demonstrate a renewed commitment to higher education. The final decision on Academic Renewal rests with the Office of the Provost.

Academic Renewal signals the initiation of a new grade point average to be used for determining academic standing and eligibility for graduation. This provision allows degree-seeking students who earlier experienced academic difficulty to make a fresh start and have an opportunity to earn a degree. If awarded, all previously attempted coursework continues to be recorded on the student's official transcript. Academic credit for previously completed coursework, including transfer coursework, will be retained only for courses in which a grade of A, B or C has been earned. Such credit is considered in the same context courses with grades of "S. Courses with grades of D or F must be repeated at Armstrong if they are required in the student's degree program. Applicability of retained credit to degree requirements will be determined by the degree requirements in effect at the time Academic Renewal status is conferred.

Eligibility for Academic Renewal, returning Armstrong students only:

- Must have had a continuous period of absence from Armstrong of at least five years
- Must demonstrate a renewed commitment to higher education
- Must apply for Academic Renewal within one calendar year of re-enrollment at Armstrong

Eligibility for Academic Renewal, student who have never attended Armstrong (transfers):

- Must have attended a regionally accredited institution of higher education at least five years prior to enrollment at Armstrong
- Must demonstrate a renewed commitment to higher education
- Must apply for Academic Renewal within one calendar year of enrollment at Armstrong.

To earn a degree from Armstrong, a student must complete 25% of credit applicable to their degree, including 50% of upper division coursework in the major field of study at Armstrong, after receiving academic renewal status. Academic Renewal GPA is used only for graduation purposes and is not used for the calculation of honors at graduation.

Transfer credit for any coursework taken during the period of absence will be awarded according to the Armstrong transfer evaluation policies in place at the time of the enrollment or Re-enrollment at Armstrong.

The granting of Academic Renewal does not supersede financial aid policies regarding Satisfactory Academic Progress or the admissions requirements of programs, which require a specific minimum grade point average based upon all coursework. Armstrong honors the academic renewal status granted by other USG institutions. A student can be granted Academic Renewal Status only one time in the University System of Georgia, regardless of the number of institutions attended.

Charges for Governance committee

Constitution

- 1) Add three hours course reassignment to vice president (II.B)

Bylaws

- 1) Clean up Article VIII section B, so that it is clear that executive session is a right of privilege and doesn't require majority vote to go into.
- 2) Decide if the parliamentarian is a member or ex officio member of the steering committee (probably should be ex officio)
- 3) Determine if the educational technology committee should or should not be in charge of technology fee funds (bylaws say yes, but there is a tech fee committee that does this).(XI.F) Perhaps a member of the ed tech committee should be on the tech fee committee??
- 4) Increase duties of the vice president (VI.B) to include
 - a. The handling/ presiding over UCC minutes in the senate.
 - b. Serve as a representative of the faculty senate on various university committees
 - c. Preside over the senate in the absence of the president
 - d. Follow up / ensure signed bills are being acted upon
 - e. Ensure the constitution and bylaws are up to date
- 5) Consider Vice president to president election path (one year as vice president then one year as president)
- 6) Establish a yearly system to allow faculty members to sign up for appointments to the established Faculty Senate Committees of their choice. As part of this process Faculty members should be given the option of serving on said committees for up to three years, but having the option not to serve past one year if they so choose to. First year faculty members should not be included in appointments to committees. Faculty committee choices should take place in April.
- 7) Establish a campaign time period where Senators will hear potential selectees to Senate offices discuss their qualifications for the offices they seek to hold. Should also establish a yearly voting period for the Senate to hold a campaign session and then elect these officers.
- 8) Remove the one-to-one correspondence between senators and their elective (establish a pool of alternates senators in each department)
- 9) Clean up administrative office names in bylaws of committees.

The Teaching Priority Bill

Whereas Armstrong's mission is "teaching-centered and student focused" (as stated in our official mission statement); and

Whereas the faculty senate and its Planning, Budget, and Facilities committee have been informed about the FY 2016 budget planning narrative which includes the proposed elimination of vacant teaching lines in the event of a 3% reduction in state funding;

The faculty senate requests that no cuts to vacant teaching positions and no permanent reclassifications of vacant teaching positions (e.g. from tenure-track to temporary lines) occur in the FY 2016 or the FY 2017 budgets.

The Shared Planning of Future Budget Cuts Bill

Whereas no input was sought from the faculty senate and its Planning, Budget, and Facilities committee to help identify planned budget cuts and reallocation strategies that could be implemented without harming the primary teaching mission of the university;

The faculty senate requests that any future proposed budget cuts and narratives be submitted to the Faculty Senate Planning, Budget, and Facilities committee and the faculty senate for discussion of potential modifications and support of its final form prior to submission to the USG and BOR.